

### ABSTRACT OF THE DISCLOSURE

Embodiments of the present invention provide a method, article of manufacture, and apparatus for processing semiconductor wafers. The method includes preheating a semiconductor wafer in two types of chambers. In one embodiment, a first preheating chamber is a load lock and a second preheating chamber is a transition chamber. Semiconductor wafer processing systems which can perform embodiments of the method are presented.

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2007-10-15 09:00